EAST SEARCH HISTORY

Databases:		US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB

Ref#	Hits	Search Text
S1	1	10/806547
S2	617	measur$4 and position$4 and object and lens and "optical center" and light and camera
S3	395	S2 and @pd<"20030423"
S7	230	((beam or incident) adj3 light) and camera and lens and ((adjust$3 or measur$4) adj3 position adj3 object)
S17	0	S16 and (location or position or orientation).ti.
S4	234	S3 and (location or position or orientation).clm.
S5	34	S3 and (location or position or orientation).ti.
S6	3	S3 and (adjust$3 adj3 position adj3 object)
S8	124	S7 and @pd<"20030323"
S10	2524	((beam or incident or ray) adj3 light) and camera and lens and ((adjust$3 or measur$4) same position same object) and @pd<"20030323" not S8
S9	17	S8 and (location or position or orientation).ti.
S11	94	S10 and (location or position or orientation).ti.
S15	10	S14 and (location or position or orientation).ti.
S12	67	S11 and center
S13	359	S10 and calibration
S14	283	S13 and center
S18	3	lens calibration and position and object and "optical center" and camera and light
S19	2	("3749500" | "3781115").PN.
S20	22	("4131365").URPN.
S21	3	lens calibration and position and object and "optical center" and camera and (light or laser)
S23	32	S22 and position and object and lens and camera
S22	189	(356/620).CCLS.
S24	644	(702/94,95).CCLS.
S16	40	lens calibration and position and object and center and camera and light
S25	37	S24 and position and object and lens and camera
S27	13	S26 and calibration
S26	87	AOYAMA adj CHIAKI
S28	13	(("7110022") or ("6738131") or ("6937321") or ("6301372") or ("5251156") or ("5061062")).PN.
S30	906	position and object and distance and (center adj4 (lens or optical)) and calibrat$4 and camera and image and (laser or light) and (normal or incident)
S29	2	("6738131").PN.
S31	460	S30 and @pd<"20030323"
S35	14	(position and correct$4).ti. and (center adj6 (lens or optical)) and object and (light or laser)
S37	2	("20020018139" | "7023472").PN.
S38	8	("1532879" | "1590532" | "3045531" | "3512871").PN.
S32	120	S30 and (position near correct$4)
S34	133	(position and correct$4).ti. and lens and object and (light or laser)
S46	1	S45 and camera and lens and object and position and image and (center near (lens or optical))
S48	10	S45 and camera and lens and object and position and image and center
S33	43	S31 and (position near correct$4)

S49	1	(("principal foci" or "focal point") near (off adj center)) and position and object and image and camera and lens
S42	22	("4884889").URPN.
S36	6	(position and measur$5).ti. and (center adj6 (lens or optical)) and object and (light or laser) and calibrat$4 and image and camera
S41	5	("3617128" | "4391513" | "4441810" | "4698493" | "5488471").PN.
S40	13	("2924768" | "3551055" | "3622244" | "3715599" | "3765772" | "3790284" | "3884580" | "4215938" | "4261107" | "4276698" | "4500200").PN.
S39	5	("4884889" | "4888877" | "4908951" | "4953306" | "4993836").PN.
S44	4	S43 and camera and lens and object and position and image and (center near (lens or optical))
S51	0	off-center focal point
S45	252	(702/95).CCLS.
S53	1	off center focal point
S47	11	S45 and camera and lens and object and position and image
S50	109	(("principal foci" or "focal point") near center) and position and object and image and camera and lens
S52	0	offcenter focal point
S43	189	(356/620).CCLS.
S54	141	focal point and "optical center" and position and correct$4 and lens and camera and image
S55	125	focal point and "optical center" and position and correct$4 and lens and camera and image and object
S56	2	("focal point" near "optical center") and position and correct$4 and lens and camera and image and object
S57	2	("20020196422").PN.
S64	1	stereoscopy and "two cameras" and (center adj4 (lens or optical)) and calibrat$4 and image and object and position
S66	14	("4568159" | "4595990" | "4597648" | "4836670" | "4950069" | "4973149" | "5016282" | "5231674" | "5325133" | "5471542" | "5861940" | "6152563" | "6204828" | "6421064").PN.
S59	420	S58 and calibrat$3
S61	19	(US-20020196422-$).did. or (US-5418594-$ or US-5917586-$ or US-4942539-$ or US-4131365-$ or US-5061062-$ or US-6937321-$ or US-6738131-$ or US-5251156-$ or US-4884889-$ or US-7110022-$ or US-6301372-$ or US-6429417-$ or US-4650983-$ or US-4864395-$ or US-3912395-$ or US-5832416-$ or US-4945501-$).did. or (US-3261967-$).did.
S58	2013	position and object and distance and (center adj4 (lens or optical)) and focus and (mov$3 near (camera or lens)) and image
S67	507	(center adj4 (optical or lens)) near offset
S60	222	S59 and @pd<"20030423"
S69	25	S68 and calibrat$4
S65	40	stereoscop$4 and "two cameras" and (center adj4 (lens or optical)) and calibrat$4 and image and object and position
S70	2	("5117255" | "5569570").PN.
S62	6	S61 and (mov$3 near (camera or lens))
S63	5	S62 and (center near (lens or optical))
S71	6	("6312859").URPN.
S68	170	S67 and object and position and image
S73	3	S72 and peak and calibrat$4
S72	19	(US-20020196422-$).did. or (US-5418594-$ or US-5917586-$ or US-4942539-$ or US-4131365-$ or US-5061062-$ or US-6937321-$ or US-6738131-$ or US-5251156-$ or US-4884889-$ or US-7110022-$ or US-6301372-$ or US-6429417-$ or US-4650983-$ or US-4864395-$ or US-3912395-$ or US-5832416-$ or US-4945501-$).did. or (US-3261967-$).did.

S74	7	((adjust$3 near camera) same peak) and position and object and calibrat$4 and lens and image
S75	2	("5444799").PN.
S76	1156	ricoh co.ASNM.
S77	19	(((adjust$3 or mov$3 or position or relocat$3) near camera) same peak) and position and object and calibrat$4 and lens and image
S78	12	S77 not S74
S82	3	S81 and ((two or both) adj2 cameras)
S88	249	calibrat$4 and ((memory or storage) same camera) and ((two or both) adj2 cameras) and position and object and image and lens and @pd<"20030323"
S79	2	(((orientat$4) near camera) same peak) and position and object and calibrat$4 and lens and image
S80	1	(((change or alter) near camera near (direction or orientation or position)) same peak) and position and object and calibrat$4 and lens and image
S83	0	A10256968
S84	3	("3891857").PN.
S85	2	("4937766").PN.
S86	931	calibrat$4 and (memory or storage) and ((two or both) adj2 cameras) and position and object and image and lens
S87	425	S86 and @pd<"20030323"
S89	4	((memory or storage) same camera same (calibrat$4 near information)) and ((two or both) adj2 cameras) and position and object and image and lens and @pd<"20030323"
S90	4	((memory or stor$4) same camera same (calibrat$4 near information)) and ((two or both) adj2 cameras) and position and object and image and lens and @pd<"20030323"
S81	19	(US-20020196422-$).did. or (US-5418594-$ or US-5917586-$ or US-4942539-$ or US-4131365-$ or US-5061062-$ or US-6937321-$ or US-6738131-$ or US-5251156-$ or US-4884889-$ or US-7110022-$ or US-6301372-$ or US-6429417-$ or US-4650983-$ or US-4864395-$ or US-3912395-$ or US-5832416-$ or US-4945501-$).did. or (US-3261967-$).did.
S91	24	((memory or stor$4) same camera) and (calibrat$4 near information) and ((two or both) adj2 cameras) and position and object and image and lens and @pd<"20030323"
S93	1	S92 and (pixel and position and object and image and camera and lens).clm.
S92	3403	(aoyama adj chiaki) or "honda motor".asnm.
S95	3	S92 and (camera and position and object and image and lens).clm.
S94	1	S92 and (pixel and position and object and image and lens).clm.
S1	2	5274426
S2	2	9287927
S3	105	aoyama and chiaki
S4	86	aoyama adj chiaki
S5	1	10/806547
S6	1645	position and object and image and camera and light and lens and calibration and pixel and (discrepancy or displacement)
S7	660	(382/291).CCLS.
S8	11	S6 and S7
S9	25	position and object and image and camera and light and lens and calibration and pixel and S7
S10	418	S7 and @pd<"20030407"
S12	26	("3564257" | "3918814" | "4039825" | "4121294" | "4146924" | "4193689" | "4315690" | "4396945" | "4410878" | "4636080" | "4691446" | "4788440" | "4808064" | "4836778" | "4973156" | "5095386" | "5257125" | "5393970" | "5490075" | "5522785" | "5585856" | "5793630" | "5828770" | "5856844" | "5901236" | "Re35816").PN.
S11	15	S10 and position and image and camera and light and lens and calibra$4 and pixel

S13	2	("0000356").PN.
S14	0	356.ccls.
S15	742	(356/614).CCLS.
S16	10	S6 and S15
S17	12	S4 and calibration
S18	11	("4937445" | "4954962" | "5329467" | "5812269" | "6028672" | "6094270" | "6204916" | "6268918" | "6317652" | "6421114" | "6441888").PN.
S19	1367	position and object and image and camera and light and lens and (memory or storage) and pixel and (discrepancy or displacement) and calibration
S20	559	S19 and @pd<"20030407"
S22	34	S21 and marker
S21	252	S20 and detect$4 and angle and incident
S23	85	S21 and 3d and axis
S26	3	S7 and "optical centre"
S24	18	S7 and camera and lens and marker
S25	5	S7 and "optical center"
S27	9	("4513438" | "5072294" | "5231674" | "5291564" | "5323470" | "5459793" | "5481620" | "5499306" | "5604820").PN.
S29	1733	(382/154).CCLS.
S30	0	S28 and S29
S28	22	position and object and image and camera and "incident beam" and light and "optical center" and lens
S31	875	position and object and image and camera and light and "optical center" and lens
S32	22	S31 and S29
S33	42	S29 and position.ti.
S35	13	S34 and light and lens
S36	66	discrepancy same light same lens same center
S37	55	S36 and position
S34	36	S33 and camera
S38	50	S37 and object
S39	2213	((discrepancy or difference) same light same lens same center) and position and object
S40	33	S39 and position.ti.
S41	196	((discrepancy or difference) same light same (lens adj3 center)) and position and object
S42	5	S41 and position.ti.
S43	55	((discrepancy or difference) same light same ("optical center") same lens) and position and object
S44	217	((discrepancy or difference) same light same lens same center) and (position adj3 object)
S45	27	S44 and calibration
S47	9	S46 and position.ti.
S46	220	optical center and light and lens and image and (position adj3 object)
S48	2	("5444799").PN.

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GOOGLE SCHOLAR SEARCH

lens calibration "optical center" object position
lens calibration "optical center" laser object position